Owner's Manual & Safety Instructions

Save This Manual Keep this manual for the safety warnings and precautions, assembly, operating, inspection, maintenance and cleaning procedures. Write the product's serial number in the back of the manual near the assembly diagram (or month and year of purchase if product has no number).
Keep this manual and the receipt in a safe and dry place for future reference.

Bunker Hill Security®

Weatherproof Color

Security Camera

with Night Vision

Visit our website at: http://www.harborfreight.com
Email our technical support at: tech@harborfreight.com

ITEM 61208

When unpacking, make sure that the product is intact and undamaged. If any parts are missing or broken, please call 1-800-444-3353 as soon as possible.

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No portion of this manual or any artwork contained herein may be reproduced in any shape or form without the express written consent of Harbor Freight Tools.
Diagrams within this manual may not be drawn proportionally. Because of continuing improvements, actual product may differ slightly from the product described herein. Tools required for assembly and service may not be included.

⚠WARNING

Read this material before using this product. Failure to do so can result in serious injury. SAVE THIS MANUAL.

WARNING SYMBOLS AND DEFINITIONS	
⚠	This is the safety alert symbol. It is used to alert you to potential personal injury hazards. Obey all safety messages that follow this symbol to avoid possible injury or death.
⚠DANGER	Indicates a hazardous situation which, if not avoided, will result in death or serious injury.
⚠WARNING	Indicates a hazardous situation which, if not avoided, could result in death or serious injury.
⚠CAUTION	Indicates a hazardous situation which, if not avoided, could result in minor or moderate injury.
NOTICE CAUTION	Addresses practices not related to personal injury.

Important Safety Information

⚠WARNING

Read all safety warnings and instructions.
Failure to follow the warnings and instructions may result in electric shock, fire and/or serious injury.
Save all warnings and instructions for future reference.

Installation Precautions

1. Check local surveillance laws before installation.
2. Install only according to these instructions. Improper installation can create hazards.
3. **Do not overreach when installing this product. Keep proper footing and balance at all times.** *This enables better control in unexpected situations.*
4. Wear ANSI-approved safety goggles during installation.
5. Keep installation area clean and well lit.
6. Keep children and bystanders out of the area during installation.
7. Do not install when tired or when under the influence of alcohol, drugs or medication.

Use Precautions

1. This product is not a toy. Do not allow children to play with or near this item.
2. Use as intended only.
3. Do not modify.
4. Maintain product labels and nameplates. These carry important safety information. If unreadable or missing, contact Harbor Freight Tools for a replacement.

Camera Safety Warnings

1. To prevent electric shock, do not attempt to disassemble Camera. There are no serviceable parts inside.
2. Use supplied Power Adapter only.
3. **The Power Adapter must match the outlet. Never modify the plug in any way.** *Unmodified plugs and matching outlets will reduce risk of electric shock.*
4. **Do not expose the Power Adapter to rain or wet conditions.** *Water entering the Power Adapter will increase the risk of electric shock.*
5. **Do not abuse the Power Adapter cord. Never use the cord for unplugging the plug from the outlet. Keep cord away from heat, oil, sharp edges or moving parts.** *Damaged or entangled cords increase the risk of electric shock.*
6. Handle Camera with care. Camera could be damaged by improper handling or storage.
7. WARNING: Handling the cord on this product will expose you to lead, a chemical known to the State of California to cause cancer, and birth defects or other reproductive harm. Wash hands after handling. (California Health & Safety Code § 25249.5, *et seq.*)
8. The warnings, precautions, and instructions discussed in this instruction manual cannot cover all possible conditions and situations that may occur. It must be understood by the operator that common sense and caution are factors which cannot be built into this product, but must be supplied by the operator.

Service

Have your Camera Equipment serviced by a qualified repair person using only identical replacement parts.

SAVE THESE INSTRUCTIONS.

Grounding

⚠WARNING

TO PREVENT ELECTRIC SHOCK AND DEATH FROM INCORRECT GROUNDING WIRE CONNECTION:
Check with a qualified electrician if you are in doubt as to whether the outlet is properly grounded. Do not modify the Power Adapter plug provided with the Camera. Never remove the grounding prong from the plug. Do not use the Camera if the power cord or plug is damaged. If damaged, have it repaired by a service facility before use. If the plug will not fit the outlet, have a proper outlet installed by a qualified electrician.

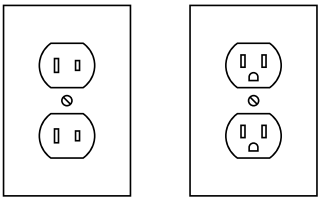

Figure A: Outlets for 2-Prong Plug

1. The included Power Adapter does not require grounding.
2. The Power Adapter may be used in either of the 120 volt outlets shown in the preceding illustration. **(See Figure A.)**

Extension Cords

Note: Do not use an extension cord with the Power Adapter.

Symbology

⧈	Double Insulated
SP	Canadian Standards Association
UL	Underwriters Laboratories, Inc.

V~	Volts Alternating Current
A	Amperes

Specifications

Lens	Fixed 6 mm
Horizontal Resolution	400 TVL
Effective Pixels	648H x 488V
Night Vision Type	Infrared LEDs with Low Light Sensor
Image Type	Daylight: Color Infrared: Black & White
Infrared Wavelength	850nm
Infrared Distance	30 ft. (indoors)
Ingress Protection Rating	IP65 - Protected from low pressure water jets
Video Connector	BNC
Camera Power Rating	12VDC / 500 mA
Cable Length	60 ft.
Operating Temperature	14° - 122°F

Installation Instructions

Read the ENTIRE IMPORTANT SAFETY INFORMATION section at the beginning of this manual including all text under subheadings therein before set up or use of this product.

⚠WARNING

TO PREVENT SERIOUS INJURY FROM ELECTRIC SHOCK:
Unplug the Power Adapter from its electrical outlet and verify that installation surface has no hidden utility lines before drilling or driving screws.

Components

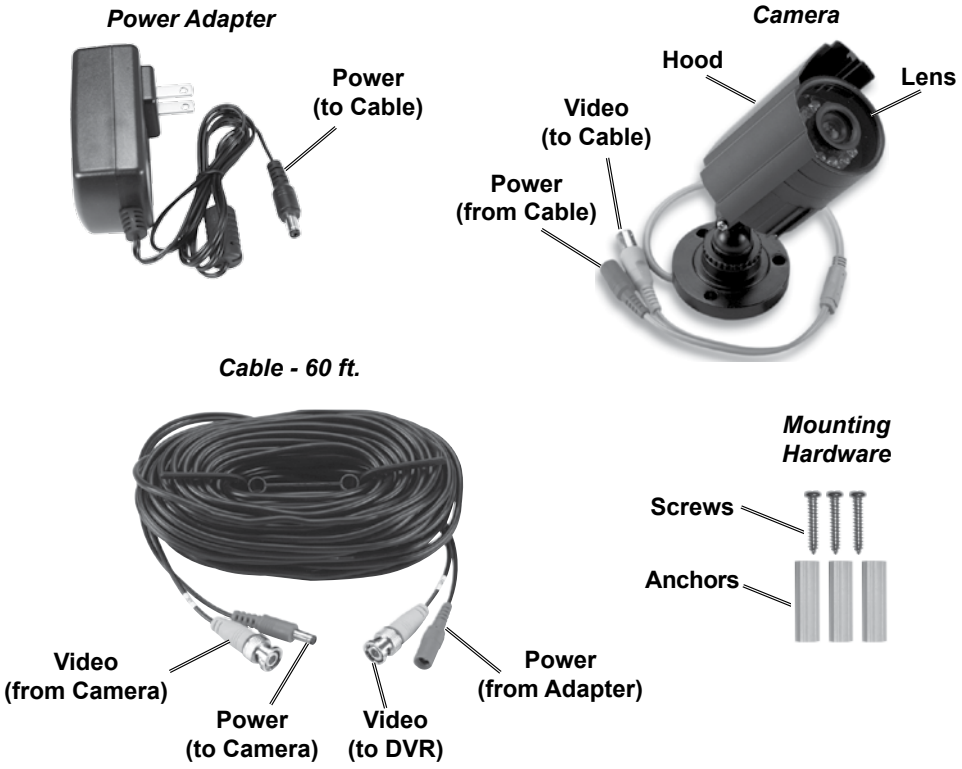

Figure B

Before Mounting

1. Test Camera by connecting all cables and making sure it functions properly.
2. Also test Camera in intended location before mounting. When planning mounting location and angle:
   a. Take into consideration the length of the Cable. Route the Cable so as to avoid a tripping hazard.
   b. Choose a location high enough so that it is out of reach of children, but still covers the desired viewing area.
   c. Verify that installation surface has no hidden utility lines before drilling or driving screws.
   d. To avoid mounting the Camera upside down, make sure the Hood is above the Lens.
   e. Make sure no strong light will shine directly into Camera Lens.
3. Using the Base as a template, mark locations of mounting holes on mounting surface.

Note: Route Cable through slot on Base to keep Base flush with mounting surface while marking holes.

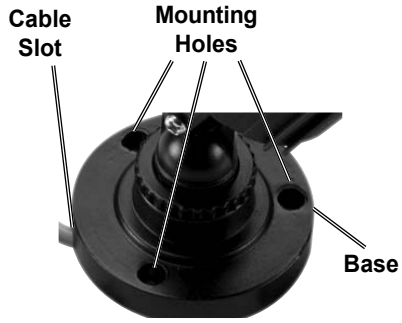

Figure C

Mounting

Solid Surface

1. Using a drill bit slightly smaller than the Screws, drill pilot holes into the marked locations.
2. Position Camera so that mounting holes align with pilot holes.

Note: Route Cable through slot on Base to keep Base flush with mounting surface.

3. Drive Screws through mounting holes in Base and into pilot holes until the Camera is securely attached to the mounting surface.

Hollow Surface

1. Using a drill bit slightly smaller than the Anchors, drill holes in the marked locations.
2. Tap Anchors into the holes until they are almost flush with mounting surface.
3. Position Camera so that Mounting Holes align with anchor holes.

Note: Route Cable through slot on Base to keep Base flush with mounting surface.

4. Drive Screws through mounting holes in Base and into anchor holes until the Camera is securely attached to the mounting surface.

Camera Adjustment

1. Loosen Adjustment Wheel, rotate Camera as needed, then tighten Adjustment Wheel.
2. Loosen Adjustment Screw, tilt Camera as needed, then tighten Adjustment Screw.

Note: Only loosen Adjustment Screw slightly, do not remove it.

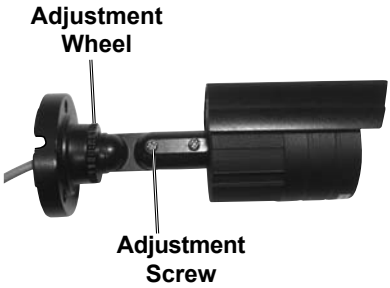

Figure D

Cable Connections

CAUTION! Route the Cable so as to avoid a tripping hazard.

1. Connect Video from Camera to Cable.
2. Connect Power from Camera to Cable.
3. Connect Video from Cable to Video Input Device (DVR, TV, Monitor, etc).
4. Connect Power from Cable to Power Adapter.
5. Plug Power Adapter into a 120 volt electrical outlet.

CAUTION! The Power Adapter MUST be plugged in indoors in a clean, dry location.

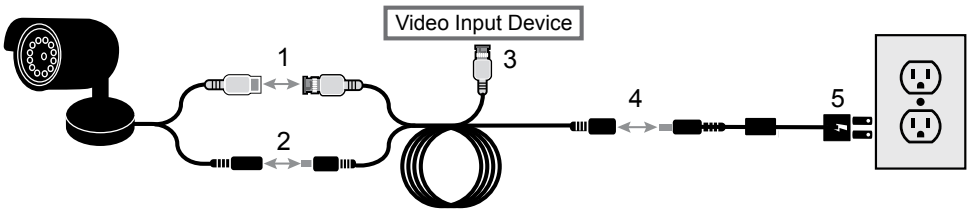

Figure E

Operating Instructions

Read the ENTIRE IMPORTANT SAFETY INFORMATION section at the beginning of this manual including all text under subheadings therein before set up or use of this product.

1. Refer to the Video Input Device manufacturer's instructions for operating the camera with the Device.
2. The Camera will operate continuously while the Power Adapter is plugged in.
3. When not using the Camera, unplug the Power Adapter from its electrical outlet.

Inspection, Maintenance, and Cleaning

Procedures not specifically explained in this manual must be performed only by a qualified technician.

⚠WARNING

TO PREVENT SERIOUS INJURY FROM ELECTRIC SHOCK:
Unplug the Power Adapter from its electrical outlet before inspection, maintenance, or cleaning.

1. **PERIODICALLY,** inspect the general condition of the Camera. Check for:
   - loose hardware,
   - damaged cord/electrical wiring,
   - cracked or broken parts, and
   - any other condition that may affect its safe operation.
2. **PERIODICALLY,** wipe external surfaces of Camera with clean cloth.
3. Maintain area surrounding Camera, making sure obstacles don't interfere with visibility, such as overgrown bushes.

Troubleshooting

Problem	Possible Causes	Probable Solutions
Camera does not work.	1. No power at outlet. 2. Cables not properly connected.	1. Check power at outlet. 2. Check that all cables are securely connected.
Poor image quality.	Camera lens is dirty.	Clean Camera lens.
View undesirable.	Camera out of adjustment.	Loosen Adjustment Screw, tilt Camera as needed, then tighten Adjustment Screw.
Image is upside down/sideways.	Camera not mounted correctly.	Loosen Adjustment Wheel, rotate Camera as needed, then tighten Adjustment Wheel.

Record Serial Number Here:

Note: If product has no serial number, record month and year of purchase instead.

Note: Some parts are listed and shown for illustration purposes only, and are not available individually as replacement parts.

PLEASE READ THE FOLLOWING CAREFULLY

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Parts List and Diagram

Part	Description	Qty.
1	Power Adapter	1
2	Camera	1
3	Cable	1
4	Screw	3
5	Anchor	3

Limited 90 Day Warranty

Harbor Freight Tools Co. makes every effort to assure that its products meet high quality and durability standards, and warrants to the original purchaser that this product is free from defects in materials and workmanship for the period of 90 days from the date of purchase. This warranty does not apply to damage due directly or indirectly, to misuse, abuse, negligence or accidents, repairs or alterations outside our facilities, criminal activity, improper installation, normal wear and tear, or to lack of maintenance. We shall in no event be liable for death, injuries to persons or property, or for incidental, contingent, special or consequential damages arising from the use of our product. Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation of exclusion may not apply to you. THIS WARRANTY IS EXPRESSLY IN LIEU OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING THE WARRANTIES OF MERCHANTABILITY AND FITNESS.

To take advantage of this warranty, the product or part must be returned to us with transportation charges prepaid. Proof of purchase date and an explanation of the complaint must accompany the merchandise. If our inspection verifies the defect, we will either repair or replace the product at our election or we may elect to refund the purchase price if we cannot readily and quickly provide you with a replacement. We will return repaired products at our expense, but if we determine there is no defect, or that the defect resulted from causes not within the scope of our warranty, then you must bear the cost of returning the product.

This warranty gives you specific legal rights and you may also have other rights which vary from state to state.

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